

# AMA-CHEWER

MONTHLY PUBLICATION of the INDIANAPOLIS  
RADIO CLUB INCORPORATED.

AMA-CHEWER  
MAR. 1950

## PROGRAMS

- MAR. 3rd Bill Lueth, W9DSC will talk on his prize winning entry. (Next issue of Amachewer will carry his diagram and assembly directions.)
- MAR. 10th Business meeting of the club. Attend and help to keep the club operating. This is when your voice makes the club what it is.
- MAR. 14th Dr. H. S. Osborne, Chief Engineer of the American Telephone and Telegraph Company in New York will speak at a joint meeting of the INDIANAPOLIS RADIO CLUB and the AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS. His topic will be the development of Microwave Radio Relay and Coaxial Cable Systems. This meeting will be held at the World War Memorial Auditorium at 8:00 PM. The club is the guest of the A.I.E.E. at this meeting.
- MAR. 17th Informal meeting of the club. No program scheduled so come to this meeting and enjoy a bull session.
- MAR. 24th Ed Irwin, W9TXL will describe the construction details of his prize winning Grid Dip Meter.
- MAR. 31st Fred Manning, W9VPN will talk on Super Modulation. This meeting may be held at the Real Silk Union Hall across from the Real Silk Hosiery Mills so check at club the week before when the final plans will be made for this meeting.

Unless noted otherwise meetings are held at the Northeast Community Center at 3306 East 30th St. (30th & LaSalle Sts.) Meetings start at 8:00 PM. Everyone is welcome.

## PAST PROGRAMS

Feb. 10th Larry Goetz, W9MHM spoke to the club on Antennas and really covered the field. He even left us with our ducts up in the air. HI. Nice going Larry and many thanks.

On Feb. the 17th Mr. Harold R. Whaley of the Engineering Department of Naval Ordnance and a Field Representative of Western Electric Co. spoke on RADAR for COMMUNICATIONS and FIRE CONTROL. He followed this with a motion picture showing combat use of the gear. This was really an insight to the use that was made of Radar in the last war. We thank Mr. Whaley for his very "fine business" program.

## FUTURE PROGRAMS

See Ray Forbes or Art Schultz for suggestions for future programs or if you have a program that you can secure or can present at club. Make the programs interesting by seeing that you suggest topics.



## 2 CLUB OFFICERS FOR 1950

Pres.	Alvey Pittman, W9JJC	RR #16 Box 588X Indpls	CO 8331
V. Pres.	Elmer Marchino	125 East 51st St.	HU 1052
Secy.	T. Gerald Lucas, W9APJ	815 N. Sherman Dr.	IR 7885
Treas.	H. H. Harney, W9FYQ	2044 Koehne	CA 1542
Ch. Opr.	Rollie Boughton, W9PMM	1430 N. LaSalle St.	AT 6033
Dir.	Don J. Angus, W9CYQ	310 N. Illinois St.	RI 1331
Dir.	Earl W. Springer, W9HTB	RR #11 Box 263 Indpls	BL 0179

### PROGRAMS

Ray Forbes, W9HNS,	1146 Reid Pl.	MA 6078
Art Schultz, W9NNX	908 East Michigan St.	CA 7223

Call or see the above to suggest a program or to present a program.

### AMACHEWER EDITOR

Robert C-skey, W9DNQ      2355 Stuart St.      OH-3089

Mail or phone items of interest for publication in your paper to the above, also changes of address so that you may receive future copies of the club's paper.

### NEW MEMBERS

We take pleasure in welcoming the following men in the club, one our old chief operator, Fred Manning, we are especially glad to see again.

Fred Manning 4718 Bertha St. W9VPN

Carl F. Kenner, 5602 Lowell Ave. W9JBK

Welcome fellows and won't you pitch right in and help us along and if we can help you be sure to make your wants known.

### CLUB CONTEST

The club sponsored contest ended Feb. 17th and on the 24th the entries were judged and the prizes awarded. The following men were judged the winners and the prizes awarded as follows.

1st Prize-William F. Lueth, W9DSC. His entry a combination Grid dip oscillator, wave meter, field strength indicator, and audio oscillator or RF modulated by the audio osc. The prize he chose. The Mallory Inductuner donated by the hams at Mallory.

2nd Prize Clarence A. Pence, his entry a home made soldering gun. He picked as his prize, the 6 meter transmitter donated by Van Sickle Radio, 102 S. Penn. St.

3rd Prize T. G. Lucas. His prize winning project was a Vacuum Tube Voltmeter. His choice of remaining prizes was the Electrovoice Centry Model 915 Microphone. This was donated by Kiefer Stewart Co. Appliance Div. 124 S. Senate St. This is their parts division. (T. G. W9APJ)

4th Prize Edmund Irwin, W9TXL. Also entered a Vacuum Tube Voltmeter. He selected the Hammeter donated by the Meunier Radio Supply Co. 521 N. Illinois St.

5th Prize F. A. Richardson, W9HKZ (Chic) He entered a miniature transmitter. Awarded a HV-18 transmitting tube donated by Howard Severied, a club member.

6th Prize Howard Severied, W9DPL. A Plate dipper meter was his entry for this award. His prize, a 450 command transmitter donated by club member Jake Worley.

We want to thank the donors of the prizes that were awarded to the winning entries and suggest to you that their interest in your club to the extent of offering these prizes can best be repaid by your purchase of merchandise from them when you want items that they handle. Let it be known that you belong to the club when you do buy and they will know that this, one form of advertising, has paid off for them. Again our thanks to the donors of the prizes.



## CONTEST Cont.

The above winners of the club contest are to be congratulated on their work on their projects that won recognition and awarding of the prizes. Due to be recognized for their attempts are the following who also displayed equipment that they had built, May they have better luck next time. Follows their names and names of the equipment that they entered in the contest.

Howard Severeid- Trouble Light made from surplus gear. VFO from BC 375 tuning unit. Field strength indicator and Wavemeter. Blower from surplus items. 80-40 meter transmitter. 100KC Xtal Osc for testing. Plate dipper. A 40 and 80 meter command set that has been modified to give full dial coverage over these bands, together with an attached power supply. Audio oscillator. Test unit for aligning receivers. Clarence Pence. His winning soldering gun and a Multimeter. Bill Lueth, His winning combination meter unit. Jim Sugioka, a Keying relay. D. J. Angus, A battery charger built up from surplus parts. Springer. Untuned field strength meter made up on a tripod. Lucas, Power supply for universal use, his winning VTVM and a Multimeter. Caskey, Power supply for BC221 with tuning eye for zero beat. Hoelker, Overmodulation indicator combined with multimeter. Ed Irwin, VTVM with probe and a grid dip plug in meter with remote power supply. Chic Richardson, His winning transmitter and field strength and modulation indicator.

Our thanks to the above for their attempt and may they win the next time. In the mean time they have some nice gear to use around the shack. To those of you who were not at this meeting, you missed a grand show of the handiwork that the club members can do, it was really a treat to see the workmanship that this display brought out.

## ADDRESSES

We have received address changes and compliments on our club paper from Dick Mays, W9JAY who by the way was out to club the 17th and from Carl McKay in Fort Wayne. Thanks fellows and may you continue to enjoy our paper.

Speaking of correspondence, Max Stout continues to send reports to the club and has offered to send some dope on Marine work. Ship it along om. The letters you send are read at club and provide some mighty interesting comments to the gang. You really pound a typewriter om.

## INSPECTION TRIP

It has been suggested that the club make an inspection trip so that the members of the code class at Tech may join in and see the shacks that the hams build up after they had learned the code. How about a date for this Program Committee? See next issue of Amatech for the date and possible places.

## MONITORING

At club meeting on the 10th a call was received from the CAA that sigs possibly from the C-54 down might possibly be heard in this local because of the skip on the freq. 1722 KC. The membership was alerted but to no avail.

## JOB

We are happy to report that because of the notice run in last issue of our paper that Ed Arbuckle, W9IEZ at Brownsburg was employed by Associated Distributors. That is words we like to hear.

The grapevine reports that LeRoy Waggoner, W9YMV who just returned from ARRL Headquarters to run a Floral business at 1848 Shelby, Schwomeyer Florist, is looking for a youngster to deliver flowers for him. Look him up if you are looking for such a job or if you want flowers he is the man to see. (Any more and there is a slight fee. HI.)



## HE TRIED

The licensed hams who populate our fair town are sort of saddened by some news that's going around:

A popular Guy, On Feb 16th, with a smile Tried the FCC exam, where a miss is as good as a mile.

To take this little test he had been quite heavily urged,  
But not one of his friends ever thought he'd be purged.  
There are many reasons that we could now advance.  
As to just why he failed it, or went into a mild trance.

Some say the starlings and pigeons on the Federal Building Roof  
Created a noise quite like CW QRM, but I say to that "poof".  
Others mention the room may have had acoustics that were quite bad,  
But I'm sure a fair try by this certain applicant was surely had.

It's not that he didn't prepare well nor long enough  
For he always talks and dreams of amateur radio stuff;  
And he lives a better, cleaner life, I am sure  
Than many a long-licensed ham tries to endure.

My theory is that it just wasn't quite his right day,  
and next, chance he will redeem himself, by making hay  
While the sun shines on him, an I'm so sure of this fact  
That I'd bet my whole station on it, and I'm surely not cracked.

The fates will be more kind to him next time that he tries,

And he will have past experience that will make him more wise:

He will pass and then be licensed to operate with all of us guys

and no one will ever remember this quite saddening surprise.

So to you, our friend, who went down in defeat,

I give a low bow, cause you're classed as "aw reet".

At least you went out and gave it your very best

and for that we admire you, were sincere, and won't jest.

WE'll coach you and urge you and coax you and soon now get in

You can take a try for that ticket, and, by gosh, then

It will be your lucky day for sure, I predict,  
and instead of yourself, the FCC will be the one to get licked.

You deserve and shall get lots of praise from all of us

For having tried the exam, and we will never fuss

Because this set-back is only temporary we all know

and next time you'll pass okay, and we'll all be aglow.

And to all mildly interested other local boys who talk of making the exam, but only make noise  
Let this fellow's example sort of urge you too,  
To give it a try and repeat it until you finally come through.



There's no disgrace to having tried and not made the grade  
Because thur you have to yourself and your pals fairly played  
You'll make a come-back and get going quite strong  
And go on the air with a smile and a loud song.

So don't you, our friend, think og quitting, cause by fer,  
This hobby is better for you than drowning sorrows at the Red Dog Bar.  
In time you'll have a prominent station and be a voice in the night  
And never remember this short delay, and I know I am right.

I was sorry to learn just now of the news  
That the FCC did not see fit their way to choose  
To let you pass their exam on this particular trip  
And to me it sounds like some sort of a low-down gyp.

However, you're eliggble once again in about thirty days  
And I feel that next time you'll be used to their ways  
So stay on the beam and keep your interest always alert  
And this temporary delay won't cause you any hurt.

My own high sky-wire will be down at half mast  
In honor of a man who tried and who also almost passed  
And when you go up again and pass on another day  
My cloud-warmer will go up to full height and there it will stay.

I'M glad you gave yourself a sort of trail run  
You'll be awarded lots of due credit, you son-of-a gun  
And now the hams regard for you has gornw more great  
And the guys who delay trying the exam surely don't rate.

Next time the Inspector spends a day among our crowd  
You'll be the first one in and the last one out, and allowed  
To go on the air with your licenses and a suitable call sign  
And to work you on the air will be fun for you, but the pleasure  
Will be all mine.

Howard Severoid, W9DPL.

#### NEW MEMBERS

Just recently joining and rejoining the Indianapolis Radio Club Inc.  
are the following men.

Carl F. Kenner, 5602 Lowell Ave. W9JBK

Fred Manning, 4718 Berthe St. W9VPN

A hearty welcome to you fellows and to Fritz, may you become as ac-  
tive as you once were and to Carl, if you keep up with Fred nothing  
more could be asked. Again, Welcome.

#### CONTRIBUTED

The following is from articles contributed by the members, you are  
invited to add your contribution for the next issue of our paper.

In this issue ye ed could best be called a publisher because of the  
efforts of one ham who sent even more than we probably get into this  
issue. The carryover will be carried next issue. He wishes to  
remain anonymous but perhaps you can guess his identity. At any the  
hearty thanks of ye ed.

Reprint from page 1116 of the magazine ELECTRICAL ENGINEERING for  
December 1949. Schematic manual for surplus electronic equipment



Volumel. First of a series of publications providing prospective purchasers of government surplus electronic equipment with basic circuit diagrams, and characteristics of the more common types of apparatus available. Selling for \$1.00, the 44 page manual is available from the Office of Technical Services, United States Department of Commerce, Washington, 25, D.C. Make check or money order payable to Treas. of the United States. This book review appears to carry an announcement or message of importance to licensed hams and is reprinted for the information and interest of all members of the Indianapolis Radio Club.

W9DPL just acquired a nice new Lambda 2 ince modulation monitor oscilloscope for use when he is on fone.

Charles Compton W9ZCE reports that most of his activities away from working hours at Cornell-Dubilier Copr. locally, are operation of his ten meter mobile radio phone rig in the family car, and also working several hours a week in the evenings as an extra man at one of the local broadcast stations. Seems that he must have iron-clad alibis for any TVI or BCI that might occur in his neighborhood during the hours when he is not at home, we'd say.

It is rumored that the FCC now has added what is known as Element 7 to their examinations for so-called commercial types of licenses. This new element went into effect as of the first of the year 1950. and covers material required for applicants who want a license to operate CW in the aeronautical services. No doubt many of the licensed hams already have all required licenses for this type of work as required before this, and will now start studying up for the exam to pass the added element, to keep themselves in an up-to-date condition there they hold down jobs requiring commerca tickets.

Don Hammer, a new member of the INDIANAPOLIS RADIO CLUB has been studying at theory for the amateur exam. already having sufficient code speed for that end of the tests which are given new applicants. He just recently bought a new Simpson tube checker. Note to any hams needing to have tubes checked - the line forms to the right. Don is at home out in Speedway City most every nite except Friday nite, that being the regular meeting nite of the IRC, which he hopes to attend regularly.

James Sugioka, W9CKB is now the proud possessor of a car, having recently purchased a used one, and finds it easier to get to and from radio club meetings each Friday night. Anyone living out in the Irvington neighborhood and needing transportation to club meetings can find a lift by telephoning Jim, he informs me.

W9JAY, Dick May, a new ham in Speedway City, has been on 40 CW with a folded dipole made of 300 ohm twin lead antenna wire, and about 75 watts input to an 807 tube, and is now building a push-pull amp. using 807's and thinking seriously of building up a modulator to use higher power and also give his tonsils a work-out on the ten meter phone band. (Ed Dick was to club last week, meet him?)

W9RIM, Virgil Morrow, a druggist and Indianapolis ham, was out to a recent club meeting and says Santa Claus (alias his XYL) delivered a nice new shiny Collins 32-V-2 transmitter to him for Christmas and he is using the antenna tuning section of his now discarded surplus BC375E rig for coupling to the antenna to radiate 75 meter phone again.

How about writing up your copy for next issue of AMP-CHEWER, NOW.



W9DPL, Howard Severeid has been attending Tech Night school taking work in a drafting class. He reports at the same time that he might be getting a little, just a little, old-- he had his eyes tested and now is wearing "cheesters"? Bifocals at that. HI

This one came from the grape-vine, W9CKP, Bob Flanders who works with Al Lovell, W9DAG at WFBM, says Al is going to sell his, beam antenna and all to W9XXM, who is Tom Yott, a member of the Indianapolis city police force. Al is therefore looking for a new place to live, preferably complete with ten meter beam antenna. HI. (Ed. Had another note that W9DPL had picked up the 1948 Pontiac that W9CKP had up for sale. )

Speaking of police, Lt. Curt Springer, Indpls city police radio department, and a ham with the call W9EY, has reached the seniority required for retirement from the local city police radio job, and sold his house here in town and moved to Pasadena California. There he is installing a police radio station set-up and will continue on as an engineer with the newly-revised system there.

Two members of INDIANAPOLIS RADIO CLUB, Henry Harney, W9FYQ and Dr. Lester Hoyt, W9BQ, who both use Collins 32-v-1 transmitters, recently sent them to Colling Radio Co. and had them TVI-proffed and are now back on the air with them and declare they are working out swell.

Louie Bergenroth reports that he has equipment operating mobile from his station wagon on the amateur 2, 10 and 75 meter bands, and also is on 75 meter phone occasionally from his home now. Louie was recently up-graded at work down at WFBM-TV and is now assistant to the chief engineer there. Congratulations.

Earl Linder, W4DKG of St. Louis Miss. who worked for the Pennsy RR here and was W9DZG at the time, has been transferred to Terre Haute, Ind. and commutes weekends to his home at St. Louis. Earl says he recently allowed the dentist to remove all his teeth and is being measured for a set of pre-fabricated ones or something. However that doesn't keep Earl from "chewing the rope" on 7005 KC CW each Sunday at 12 noon, with several members of the INDIANAPOLIS RADIO CLUB of which he is a former member in good standing, until his presence was removed from our midst by virtue of his having been transferred to a new place of work. Earl says he worked quite a few VK and ZL stations on 40 CW after midnite, the middle part of January on weekends when he was at his home station.

Don Hunt, W9DGD, Speedway City, lost his 75 meter antenna in the heavy sleat and ice we had during Jan. and is temporarily off the air or absent from his favorite band, 75 meters. Don has been doing some pioneering work on single sideband type of transmission on 75 fone, and as soon as an antenna is available again will continue use of single sideband, about which he is quite enthusiastic.

Al Whisenand, W9FSM continues working on 2 meters with his usual, or should we say his unusual, success on that band and issues an invitation to any of the gang to get in on the fun that two meters offers. Misfortune recently caught up with the wife of Jake Worley, W9CMQ. She suffered a fall, resulting in a badly injured foot, and will have to wear a cast and hobble about on crutches for the next few weeks. Jake is therefore tied up at home most of the time, and as he has maintained quite an interesting place for the hams to see when they are in a visiting mood, it is suggested they call on him there, as they are always welcome.



It is hereby announced that Elmer Marchino, the vice-president of the INDIANAPOLIS RADIO CLUB, has traded in his surplus BC224 type receiver on one made by the National Co. and plans to go see the FCC examiner when he visits town Feb. 16th. (Ed. The poem appearing earlier in this issue pays tribute to the attempt of our VP to attain that white card. He promises to try at Chicago soon where he hopes the very bad conditions that existed here at the last examination are not repeated. It might be worth the while of those taking the last exam to write and deplore the way that the past test had to be given.

The ultimate in this modern push-button age has been experienced by the INDIANAPOLIS RADIO CLUB, at last. Gerald Lucas, W9APJ the club's popular (and efficient) secretary, arrived at a recent meeting with his newly acquired wire recorder, took his place at the officers table, and plugged it in. The meeting was opened and when the president called for the reading of the minutes of the last the meeting Lucas flipped the switch on the recorder and leaned back and assumed the look of the cat who had just swallowed the canary, as the machinery did his work for him. Hi. As the president called for other reports, etc. from the secretary the machine took over the job, and did just about as well as the owner would have done. Maybe next time we have election of officers we'll have a wire-recorder on the ballot. huh? Hi.

#### CREDIT LINE

Present for the printing of AMACHEWER are Bill Lueth W9DSC, Chic Richardson, W9HKZ, and ye ed. Bob Caskey, W9DNQ.

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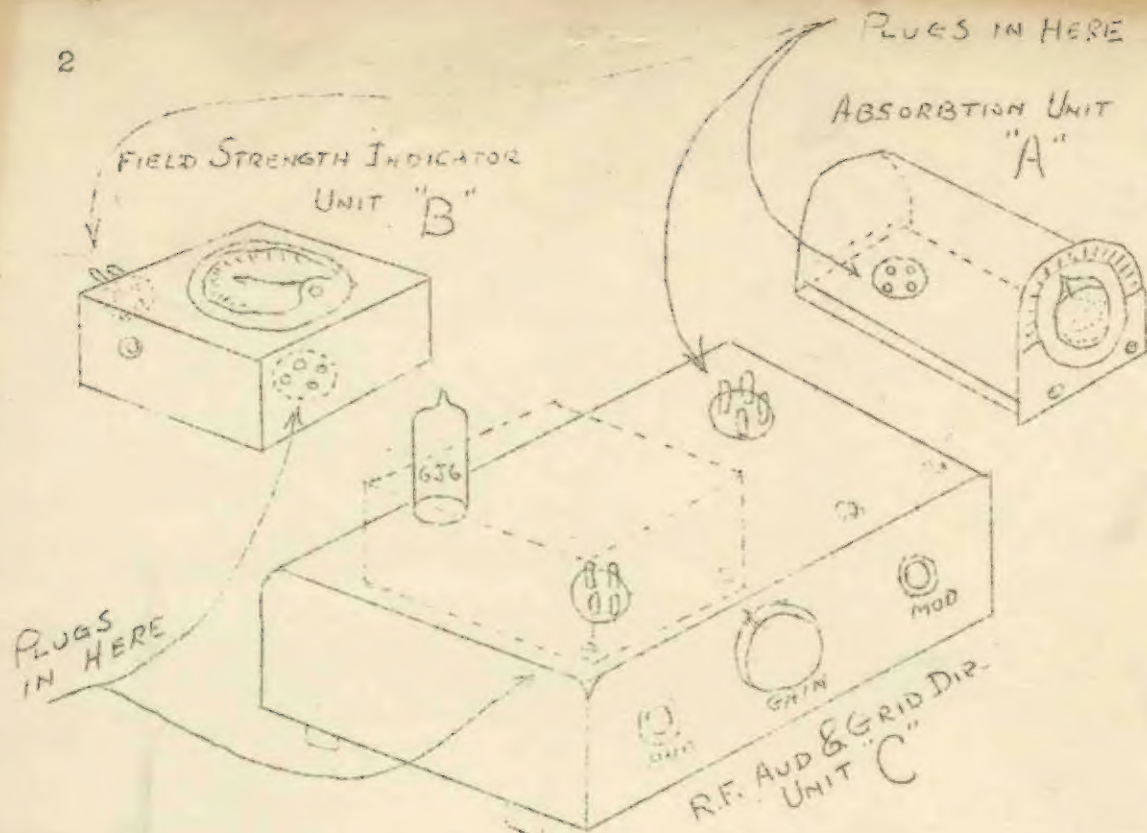


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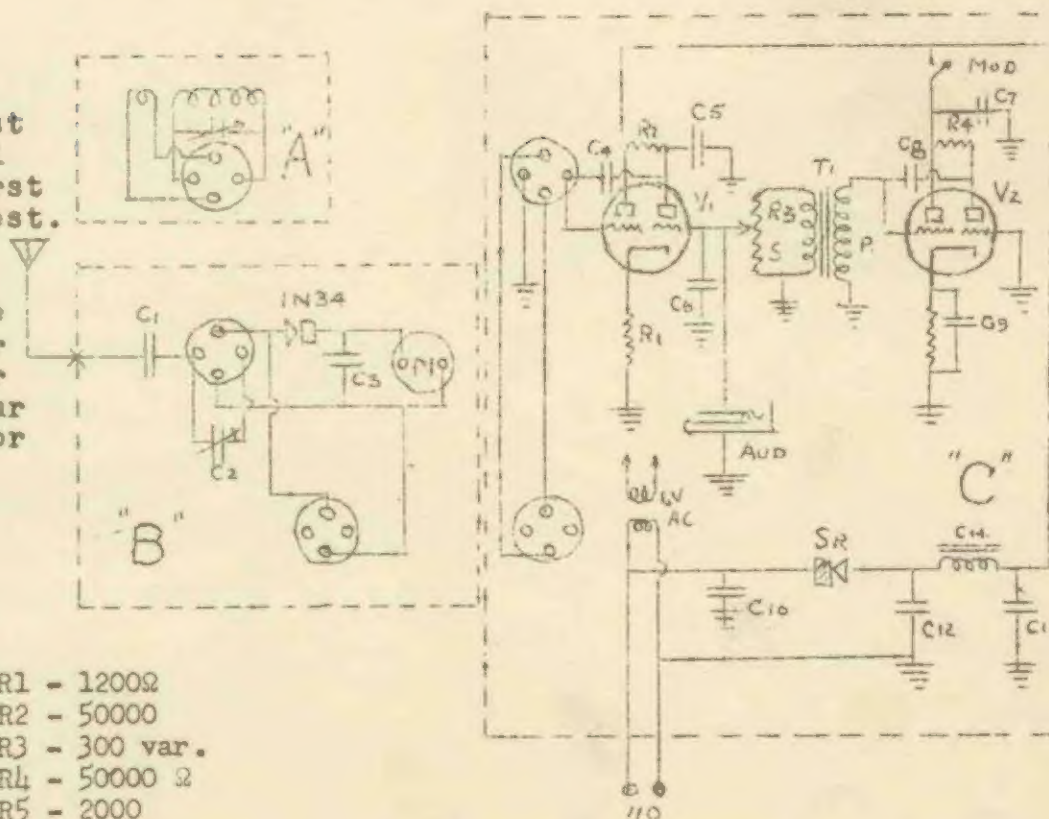
T. G. Lucas W9APJ  
815 N. Sherman Drive  
Indianapolis 1, Ind.





Prize winning test unit built by Bill Lueth, W9DSC. First prize in IRC contest.

Stencil made by DSC for this issue of AMACHEWER. Our thanks to Bill for the stencil and our congratulations for such a FB unit.



- C1 - 100 mmf.
- C2 - 3-30 mmf.
- C3 - 300 mmf.
- C4 - 5 mmf.
- C5 - .002
- C6 - 100 mmf.
- C7 - .002
- C8 - .01
- C9 - .1
- C10 - .01
- C11 - 20 mfd.
- C12 - 20 mfd.

- R1 - 1200Ω
- R2 - 50000
- R3 - 300 var.
- R4 - 50000 Ω
- R5 - 2000
- V1 - 6J6
- V2 - 6J6
- Ch. AU.-DC choke
- Sr. - Selenium Rect. M. - 0-150 micro amp.
- T1 - Output Pentode to 800v.